

Academic Press Dictionary of Science and Technology

Edited by Christopher Morris



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Fedingless Fiese Dictionary of Science and Technology

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BNY Crystallography, the oriented overgrowth of one crystalline maupon the surface of another. There is often an approximate agreein in lattice spacings in the two components. Thus, epitaxial. Also, thatis.

Anatomy. a portion of the diencephalon that contains the

benular nuclei, the stria media, and the pineal body.

Theca Invertebrate Zoology. 1. an external calcareous layer around basal portion of the theca of many corals. 2. the outer or upper valve a diatom cell wall.

Wheclum Mycology. in fungi, a layer of tissue over the spore sacs.

Mhelia Histology. the plural form of epithelium.

thellal [ep'ə the le al] Histology. of, relating to, or composed of ep-lium or epithelial cells.

ithelial cells Cell Biology. cells that form the barrier between an orniam and its external environment. These cells either may be involved the secretion or uptake of liquids or nutrients, or may perform a sim-the harrier function.

The barrier function.

The process of healing by the growth of ep-

Meliul cells over an area. Also, epithelization.

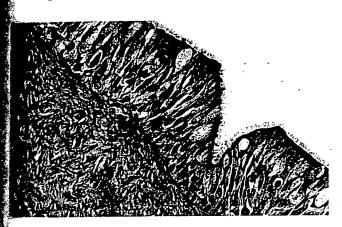
Mihellochorial placenta Developmental Biology. a placenta in which the uterine epithelial lining has not eroded but simply lies in apposition to the chorion.

Rhelioid cell Histology. a macrophage that superficially resembles epithelial cell.

ithelioma [ep'ə the'le o'mə] Medicine. 1. a tumor, either benign or palignant, derived from epithelium. 2. in popular use, a skin cancer.

itheliomuscular cell Invertebrate Zoology. a cell with an elongated that contains contractile fibrils, common in the epidermis of many puriculerates and nematodes. Also, MUSCULO-EPITHELIUM.

thellum [ep's the le sm] Histology. an animal tissue composed of that are packed tightly together, with little intercellular matrix; it tovers the external surface of the body and also internal surfaces such as the lining of tracts and vessels.



frog epithelium

solthema Vertebrate Zoology. a horny excresence on the bill of some birds, as in the casque of a hornbill.

Inthemiaceae Botany, a small family of freshwater, brackish, and tertestrial diatoms of the order Pennales, characterized by an asymmetrical apical axis and strongly developed tranverse internal costae.

opithermal Thermodynamics. slightly above a given thermal range.

polithermal deposit Geology, a hydrothermal mineral deposit formed by deposition from ascending hot solutions (at temperatures between MI'C and 200°C) in and along openings in rocks within 3000 feet of the earth's surface. Similarly, epithermal vein.

epithermal neutron Nucleonics. a neutron that has an energy level just halmove the thermal range, between about .02 and 100 electronvolts.

polthermal reactor Nucleonics. a reactor in a significant fraction of fissions that are caused by epithermal neutrons.

epithermal thorium reactor Nucleonics. a nuclear reactor in which epithermal neutrons, moderated by graphite or beryllium, unleash the energy contained in a uranium-thorium fuel mixture.

epithet Systematics. the second word in a binomen, or the second and third words in a trinomen, that identify a species or subspecies within a genus; in binomial nomenclature the epithet usually begins with a lowcrease letter and is italicized.

Epithyris Paleontology. an extinct genus of articulate brachiopods in the order Terebratulida, widespread in the Jurassic.

epitoke Invertebrate Zoology. the rear portion of a marine polychaete worm in its reproductive state, swollen with eggs or sperm.

epitoky Invertebrate Zoology. the process by which marine polychaete worms become reproductive, shown by a seasonal modification in their gamete-bearing segments differing markedly from the usual nonsexual form.

epitonic Neurology. exhibiting an abnormally high degree of muscular tension or tone; tense.

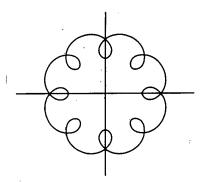
epitope Immunology. the area of an antigenic molecule that determines the specific antibody to which the antigen binds.

epitreptic behavior Behavior. behavior toward another animal of the same species that tends to cause that animal to approach.

epitrichlum Developmental Biology. the large-celled outer layer of the bilaminar fetal epidermis of mammals. Also, PERIDERM.

epitrochlear Anatomy. of or relating to the medial condyle of the

epitrochoid Mathematics. a generalization of an epicycloid in which the tracing point may be fixed anywhere on the radius of the rolling circle or its extension instead of exactly on the circumference.



epitrochoid

epituberculosis Medicine. a prominent pulmonary shadow seen in Xray films in active juvenile tuberculosis.

epitympanum Anatomy. the area of the middle ear above the level of the tympanic membrane that contains the head of the malleus and the body of the incus.

epitype Immunology. a family composed of epitopes having similar restrictive determinants.

epivalve Invertebrate Zoology. 1. the upper or apical shell of certain dinoflagellates. 2. the upper valve (epitheca) of a diatom.

epixylous Ecology. of or relating to an organism that grows on wood. Also, epixylic.

epizone Geology. in Grubenmann's classification of metamorphic rocks, the uppermost depth zone of metamorphism, characterized by moderate temperatures, low hydrostatic pressure, and powerful stress.

epizootic Veterinary Medicine. of or relating to a rapidly spreading disease affecting a large number of animals throughout a wide area; corresponds to the term epidemic in human medicine.

epizootic lymphangitis Veterinary Medicine. a chronic contagious disease of the family Equidae, also sometimes occurring in cattle but rarely in humans; characterized by thickening of a lymphatic vessel, swelling of the lymph nodes, ulcers of the mucous membranes of the nose and vulva or scrotum, and pneumonia; caused by Histoplasma farciminosum, which is transmitted by flies or discharges of diseased animals and enters the animal through a wound. Also, AFRICAN GLAN-DERS; LYMPHANIGITIS EPIZOOTICA.

epizootiology Veterinary Medicine. a science that deals with the frequency, distribution, cause, and control of disease in animals.

E-plane antenna Electromagnetism. an antenna whose radiated electric field lies in a plane parallel to the plane of the antenna.

E-plane T-junction Electromagnetism. a waveguide T-junction whose structure changes in the plane of the electric field. Also, SERIES T-JUNC-TION.

epoch Geology a unit of geologic time, longer than an age and representing a subdivision of a period during which the rocks of a particular series were formed. Physics. the initial set of conditions of a system, such as the initial phase angle of a simple harmonic oscillator.